

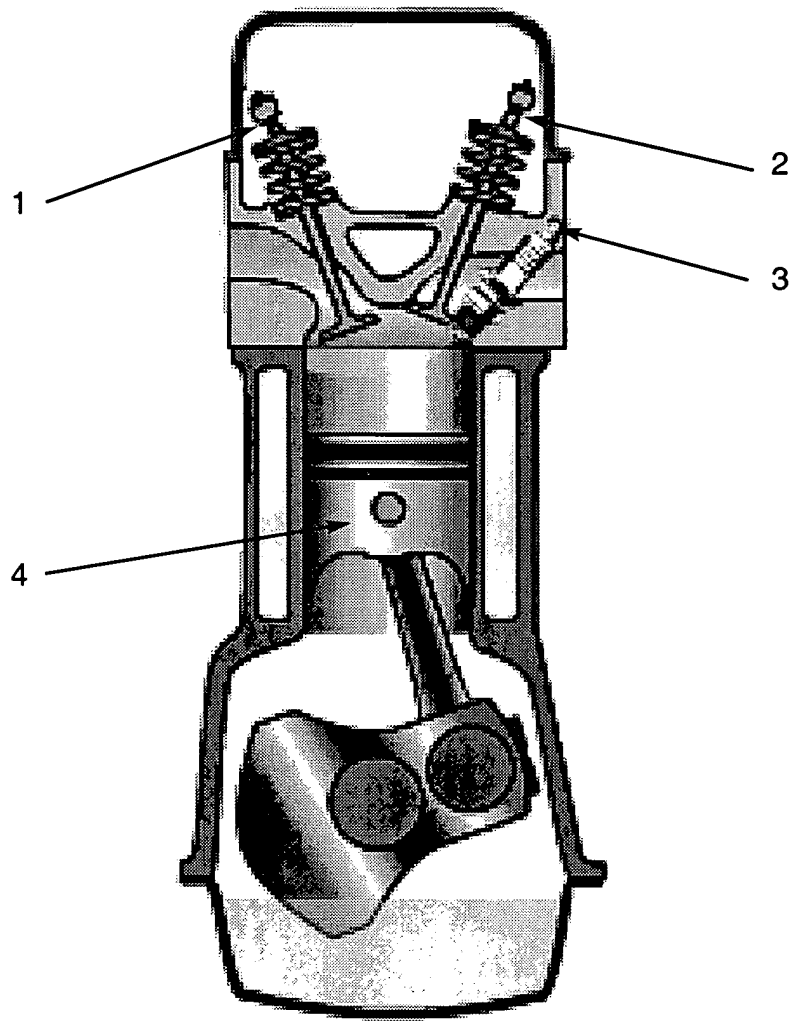


FIG.1

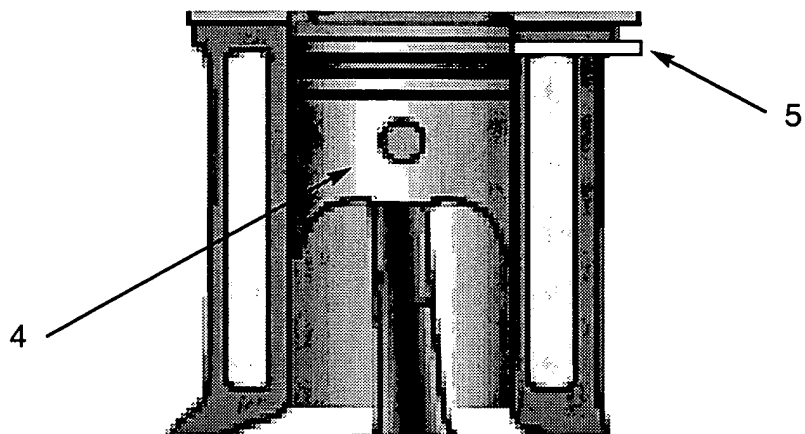


FIG.2

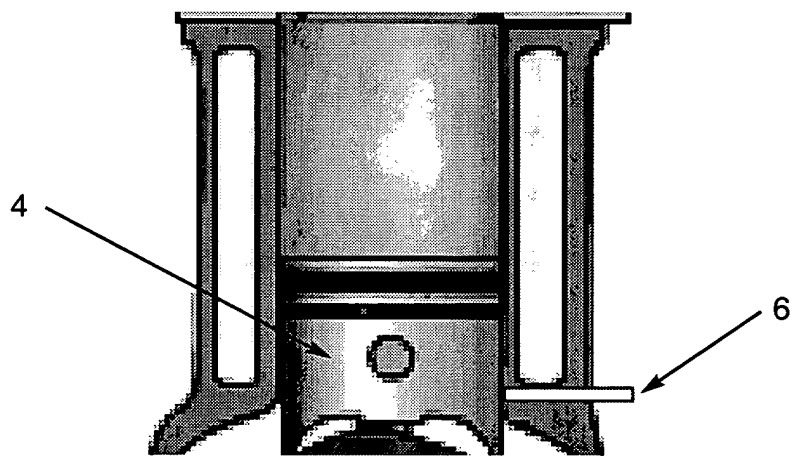


FIG.3

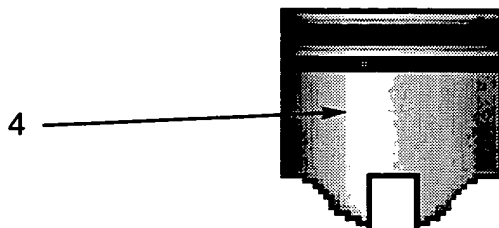


FIG. 4

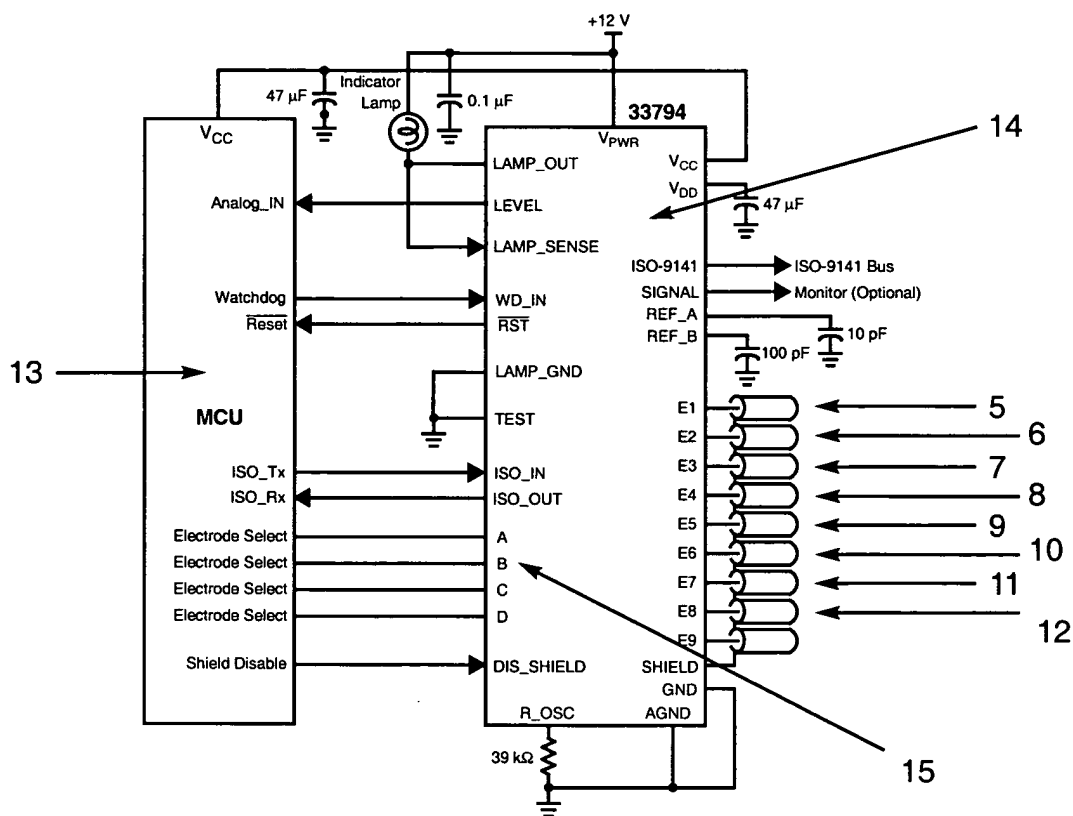


FIG. 5

Electrode		Intake	Exhaust	Spark
Ai	Bi	Valve	Valve	
0	1	1 (Open)	0 (Close)	0 (no)
0	0	0 (Close)	0 (Close)	0 (no)
1	0	0 (Close)	0 (Close)	1 (yes)
1	1	0 (Close)	1 (Open)	0 (no)

Note: i = 1, 2, 3, 4, ...

FIG. 6

PIN/SIGNAL	D	C	B	A
Source (internal)	0	0	0	0
E1	0	0	0	1
E2	0	0	1	0
E3	0	0	1	1
E4	0	1	0	0
E5	0	1	0	1
E6	0	1	1	0
E7	0	1	1	1
E8	1	0	0	0
E9	1	0	0	1
REF_A	1	0	1	0
REF_B	1	0	1	1
Internal OSC	1	1	0	0
Internal OSC after 22 k Ω	1	1	0	1
Internal Ground	1	1	1	0
Reserved	1	1	1	1

FIG. 7